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## NOTICE OF ALLOWANCE AND FEE(S) DUE

32375

7590

02/17/2004

SHREEN K. DANAMRAJ 12900 PRESTON ROAD SUITE 1200, LB-15 DALLAS, TX 75230

EXAMINER	
TAT, BINH C	

PAPER NUMBER

ART UNIT

DATE MAILED: 02/17/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/092,056	03/05/2002	Deepak Sabharwal	1263-0014US	7809		
TITLE OF INVENTION: SYSTEM AND METHOD FOR MEMORY CHARACTERIZATION						

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$665	\$0	\$665	05/17/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- Applicant claims SMALL ENTITY status.
   See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing n applications filed n r after Dec. 12, 1980 may require payment f maintenance fees. It is patentee's resp nsibility to ensure timely payment of maintenance fees when due.

#### PART B - FEE(S) TRANSMITTAL

Complete and send this form, t gether with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-145

Alexandria, Virginia 22313-1450 (703) 746-4000 or Fax INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications. Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission. CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1) 32375 7590 02/17/2004 SHREEN K. DANAMRAJ Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below. 12900 PRESTON ROAD SUITE 1200, LB-15 DALLAS, TX 75230 (Depositor's name) (Signature (Date APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 1263-0014US 10/092 056 03/05/2002 Deepak Sabharwal TITLE OF INVENTION: SYSTEM AND METHOD FOR MEMORY CHARACTERIZATION APPLN. TYPE SMALL ENTITY ISSUE FEE **PUBLICATION FEE** TOTAL FEE(S) DUE DATE DUE 05/17/2004 YES \$665 \$0 \$665 nonprovisional CLASS-SUBCLASS **EXAMINER** ART UNIT TAT, BINH C 2825 716-001000 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single  $\ensuremath{\mathbf{Q}}$  Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer attorneys or agents. If no name is listed, no name will be printed. Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Please check the appropriate assignee category or categories (will not be printed on the patent); ☐ individual ☐ corporation or other private group entity 4a. The following fee(s) are enclosed: 4b. Payment of Fee(s): ☐ Issue Fee ☐ A check in the amount of the fee(s) is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached. □ Publication Fee □ Advance Order - # of Copies \_ ☐ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form). Director for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. (Authorized Signature) (Date) NOTE; The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or oth interest as shown by the records of the United States Patent and Trademark Office.

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.

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12900 PRESTO SUITE 1200, LI				ART UNIT	PAPER NUMBER
DALLAS, TX 7				2825	
				DATE MAILED: 02/17/2004	4

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 91 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 91 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

			(A)			
	Application No.	Applicant(s)	9			
Al ( = = 5 Allannahilida)	10/092,056	SABHARWAL ET A	L			
Notice of Allowability	Examin r	Art Unit				
	Binh C. Tat	2825				
The MAILING DATE of this communication app ars on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included nerewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.						
1. A This communication is responsive to <u>amendment on 12/08</u> .	<u>vo3</u> .					
2. ☑ The allowed claim(s) is/are <u>1-49</u> .						
3. $\boxtimes$ The drawings filed on <u>05 March 2002</u> are accepted by the l	Examiner.					
<ul> <li>4. ☐ Acknowledgment is made of a claim for foreign priority un</li> <li>a) ☐ All b) ☐ Some* c) ☐ None of the:</li> </ul>	ider 35 U.S.C. § 119(a)-(d) or (f).					
<ol> <li>Certified copies of the priority documents have</li> </ol>	been received.					
<ol><li>Certified copies of the priority documents have</li></ol>	• • • • • • • • • • • • • • • • • • • •					
<ol><li>Copies of the certified copies of the priority doc</li></ol>	cuments have been received in this r	national stage applicat	tion from the			
International Bureau (PCT Rule 17.2(a)).						
* Certified copies not received:						
<ol> <li>Acknowledgment is made of a claim for domestic priority ur reference was included in the first sentence of the specifica</li> </ol>			a specific			
(a) The translation of the foreign language provisional a	• •	. 37 OFR 1.70.				
6. Acknowledgment is made of a claim for domestic priority ur	·	nce a specific referen	ce was included			
in the first sentence of the specification or in an Application						
Applicant has THREE MONTHS FROM THE "MAILING DATE" of below. Failure to timely comply will result in ABANDONMENT of t						
7. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.						
<ul> <li>8.  CORRECTED DRAWINGS (as "replacement sheets") must be submitted.</li> <li>(a)  including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached</li> <li>1)  hereto or 2)  to Paper No</li> </ul>						
(b) ☐ including changes required by the proposed drawing co	orrection filed, which has be	en approved by the E	xaminer.			
(c) ☐ including changes required by the attached Examiner's		• • •				
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the			back) of			
0. TO DEDOCIT OF and/or INFORMATION about the deno-	of of PIOLOGICAL MATERIAL r	nuct he cultmitted. t	ulata tha			
9. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.						
Attachment(s)						
1☐ Notice of References Cited (PTO-892)	5 ☐ Notice of Informal Pat	tent Application (PTO	-152)			
2 Notice of Draftperson's Patent Drawing Review (PTO-948)	6 Interview Summary (F	PTO-413), Paper No	·			
3 Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No	7), 7 Examiner's Amendme	7☐ Examiner's Amendment/Comment				
4 Examiner's Comment Regarding Requirement for Deposit	8⊠ Examiner's Statemen	t of Reasons for Allov	vance			
of Biological Material	9 <b>□</b> Other .					

Application/Control Number: 10/092,056

Art Unit: 2825

DETAILED ACTION

Reasons for Allowance

The following is an examiner's statement of reasons for allowance:

1. Claims 1-49 are allowed because the prior art does not teach or suggest a memory

characterization method, comprising the steps obtaining a parametric dataset for each of said

plurality of tiles; and creating a hierarchically-stitched parametric netlist for said memory

instance by coupling said parametric datasets using said input and output pins of said plurality of

tiles with respect to said global signals, said hierarchically-stitched parametric netlist for

simulating said memory instance.

2. Any comments considered necessary by applicant must be submitted no later than the

payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance".

Conclusion

3. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Binh Tat whose telephone number is (571) 272-1908. The

examiner can normally be reached on Monday to Friday from 8:30am to 5:00pm.

4. Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the receptionist whose telephone number is (703) 308-1782.

Tat Binh

Patent Examiner

February, 6 2004

MATTHEW SMITH SUPERVISORY PATENT EXAMINER Page 2

**TECHNOLOGY CENTER 2800**